

I CLAIM:

1. A torque convertible adapter for driving tools comprising:

5 a tubular body having a rectangular extension on rear end connecting to a handle, a circular receiving space in front end, a threaded outer periphery, a screw hole centrally formed in a bottom of said circular receiving space and three pairs of circular recesses in different depth spacedly formed around the bottom of said circular receiving space, said each pair 10 of circular recesses being symmetrically arranged;

three pairs of spring means in different length and different elasticity respectively engaged within said corresponding circular recesses of said tubular body and each having a steel ball disposed on outer end thereof;

15 a socket spanner having an enlarged circular rear end inserted into the circular receiving space of said tubular body, said enlarged circular rear end having six semi-circular recesses spacedly formed circumference engaged with said steel balls respectively and a through hole in a center thereof 20 engageable with the screw hole of said tubular body;

a bolt rotatably fastening said socket spanner into the circular receiving space of said tubular body through said through hole and said screw hole;

25 a ring pad sleeved onto an outer periphery of said socket spanner; and

5 a U-shaped cap engaged with said tubular body having a threaded inner periphery engaged with the threaded outer periphery of said tubular body and a central bore for permitting said socket spanner passing through and protruding out of said adapter.

2. The torque convertible adapter as recited in claim 1 wherein said socket spanner may be replaced with a shank of a crewdriver and an allen wrench.

10 3. The torque convertible adapter as recited in claim 1 wherein said pair of circular recesses may be increased in number.

4. A torque convertible adapter for driving tools comprising:

15 a tubular body having a rectangular extension on rear end connecting to a handle, a circular receiving space in front end, a thread outer periphery and a plurality of first semi-circular recesses spacedly formed around bottom thereof for respectively disposing a plurality of steel balls;

20 a socket spanner having an enlarged circular rear end inserted into the circular receiving space of said tubular body and a hexagonal opening in front end, said enlarged circular rear end having a plurality of second semi-circular recesses spacedly formed around outer bottom engaged with outer portion of said steel balls;

25 a spring means sleeve onto an outer periphery of said socket

spanner; and

a U-shaped cap fastened to outer periphery of said tubular body having a threaded inner periphery engaged with the threaded outer periphery of said tubular body, an annular 5 shoulder formed in an inner periphery wall for stopping against front end of said spring means and a central bore in front end for permitting said socket spanner passing through and protruding out of said adapter.

5. The torque convertible adapter as recited in claim 4 said 10 adapter is a non-step torque convertible structure.

15

20

25